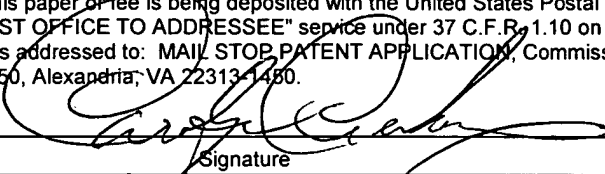


<p align="center"><b>EXPRESS MAIL MAILING LABEL</b></p> <p>NUMBER EV318622658US</p> <p>DATE OF DEPOSIT <u>NOVEMBER 18, 2003</u></p> <p>I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: MAIL STOP, PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p align="center"> _____ Signature</p>
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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
JOHNNY ARNAUD

Serial No.: Unassigned

Filed: NOVEMBER 18, 2003

For: METHOD AND APPARATUS FOR  
MIXING FLUIDS, SEPARATING  
FLUIDS, AND SEPARATING SOLIDS  
FROM FLUIDS

Group Art Unit: Unassigned

Examiner: Unassigned

Atty. Dkt. No.: 11284.0029.DVUS09  
HYDB:029--9

**INFORMATION DISCLOSURE STATEMENT**

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

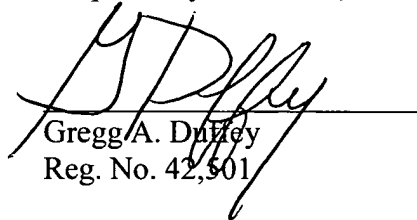
In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This application is a divisional application of Serial No. 09/879,496, filed June 12, 2001, and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d), copies of the listed documents are not enclosed as they have been previously

cited by or submitted to the Patent and Trademark Office in prior application Serial No. 09/879,496, and because those references cited by the Applicant in that prior application were submitted in Rule-compliant Information Disclosure Statements.

Applicant respectfully requests that the listed documents be considered and made of record in the present case, and that the Examiner initial the spaces on the accompanying Form PTO-1449 to evidence the same.

Respectfully submitted,



Gregg A. Duffey  
Reg. No. 42,501

**HOWREY SIMON ARNOLD & WHITE, LLP**  
750 Bering Drive  
Houston, Texas 77057-2198  
713-787-1400

Date: NOVEMBER 18, 2003

Form PTO-1449 (modified)		Atty. Docket No. 11284.0029.DVUS09	Serial No. Unassigned
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant JOHNNY ARNAUD	
		Filing Date: November 18, 2003	Group: Unassigned
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 2</i>	

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	6,168,724	01/02/01	Hurwitz	210	780	10/09/96
	A2	6,165,365	12/26/00	Salzer et al	210	650	08/15/94
	A3	6,106,713	08/22/00	Miller et al	210	321.63	02/25/97
	A4	6,080,317	06/27/00	Wagner et al	210	652	05/09/97
	A5	6,032,931	03/07/00	Plunkett	261	77	11/19/97
	A6	6,024,874	02/15/00	Lott	210	512.1	11/03/98
	A7	5,944,998	08/31/99	Rolchigo et al	210	654	04/21/98
	A8	5,882,530	03/16/99	Chase	210	788	04/30/97
	A9	5,794,791	08/18/98	Kindig	209	727	06/07/95
	A10	5,647,977	07/15/97	Arnaud	210	167	12/05/94
	A11	5,478,484	12/26/95	Michaluk	210	788	07/22/92
	A12	5,451,349	09/19/95	Kingsley	261	91	08/08/94
	A13	5,362,395	11/08/94	Dorau et al	210	638	03/13/92
	A14	5,131,757	07/21/92	Smith	366	165	03/07/91
	A15	5,071,542	12/10/91	Tuszko et al	209	144	01/30/91
	A16	5,021,165	06/04/91	Kalnins	210	703	06/10/88
	A17	5,000,848	03/19/91	Hodgins et al	210	321.68	09/06/89
	A18	4,790,942	12/13/88	Shmidt et al	210	650	06/10/87
	A19	4,237,006	12/02/80	Colman et al	210	84	05/24/79
	A20	3,947,364	03/30/76	Laval, Jr.	210	512	06/13/74
	A21	3,568,837	03/09/71	Laval, Jr.	210	136	07/24/67
	A22	3,512,651	05/19/70	Laval, Jr.	210	512	09/06/68
	A23	3,507,397	04/21/70	Robinson	210	512	04/09/69

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DATE CONSIDERED:

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)		Atty. Docket No. 11284.0029.DVUS09	Serial No. Unassigned
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant JOHNNY ARNAUD	
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U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 2</i>	

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A24	3,447,511	06/03/69	Beard et al	123	3	08/31/67
	A25	3,289,608	12/06/66	Laval, Jr.	103	220	04/23/65
	A26	2,735,547	02/21/56	Vissac	209	211	05/07/51
	A27						
	A28						

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"FUNDAMENTALS OF <i>General Chemistry</i> ", C. H. Sorum, University of Wisconsin
	C2	"CHEMICAL CALCULATIONS An Introduction to the Use of Mathematics in Chemistry", Sidney W. Benson, University of Southern California
	C3	"FLUID MECHANICS With Engineering Applications", R. L. Daugherty, California Institute of Technology, 1954
	C4	"Equipment and Applications For Industry", Claude Laval Corporation
	C5	"INDUSTRIAL PROCESS PROBLEM SOLVING...SOLIDS/LIQUIDS AND LIQUID/LIQUID HYDROCYCLONES FOR SEPARATION, CLASSIFICATION, AND DEWATERING", © 1995 Krebs Engineers
	C6	DEMCO CYCLONE SEPARATORS Catalog CI-78, August 15, 1978
	C7	GEOSOURCE® The PIONEER in solids/liquid separation, 1979 CATALOG
	C8	HYDROCYCLONES Problem Solving in Liquid/Solids Separation, Picenso International Inc.

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### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C9	"Facts about liquid cyclones. Where to use them. Where not to use them. And how to specify the right cyclone for the job. With special emphasis on The DORRCLONE®"; © 1979 Dorr-Oliver Incorporated
	C10	"Porous Plastics" POREX®, ©1998 Porex Technologies Corp.
	C11	"Nitroxyl Siliporite® Molecular Sieves for Medical Oxygen Concentrations" CESA, (no date)
	C12	"New Trends In Air Separation Adsorbents" by Marie-Theres Grandmougin, et al.; CECA, France
	C13	"Clarifying Oilfield and Refinery Waste Waters by Flotation;" Journal of Petroleum Technology, pp. 426-430, dated April 1973.
	C14	"Membrane Bioreactors for Wastewater Treatment;" by Tom Stephenson, et al.; dated 2000, reprinted 2001.
	C15	"New Developments in High Shear Crossflow Membrane Filtration;" Fluid/Particle Separation Journal, pp. 123-138, Vol. 4, No. 1, March 1991.
	C16	"The Application of Demulsification Chemicals in Recycling, Recovery and Disposal of Oily Waters;" Sam Delchad, Ph. D., Emulsions Control Inc. California (no date).
	C17	EPA Technical Bulletin, EPA 456/F-99-006R; "Nitrogen Oxides (NOx), Why and How They Are Controlled;" November 1999.
	C18	"Superior Nitrate Removal for Treatment Plants and the Home;" Sybron Chemicals Inc.; IONIC® SR-7 Advanced Anion Exchange Resin.
	C19	Solicitation for Financial Assistance Applications No. DE-PS26-02NT41613; "Development of Technologies and Capabilities for Developing Coal, Oil and Gas Energy Resources;" pg. 55, "3. Gas Flooding".
	C20	International Search Report; International application No. PCT/US02/39623; mailed March 27, 2003
	C21	
	C22	

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